

Please replace the paragraph beginning at page 14, line 15 with:

While the above illustrative embodiments (module 26 and module 42) were described using three nodes 28a through 28c, the method of the invention may also be carried out with a module having one or more nodes. As illustrated, the method of the invention may be carried out with or without device driver services (IO coordinator 44, or other like messaging services).

In the claims

Please cancel claims 1-9.

Please add the following claims.

10. A method for providing a transaction layer for a module having at least one node connected to a serial bus that configures a link device for each of said at least one nodes comprising:
 - detecting a link driver;
 - receiving capabilities of said link driver;
 - generating a link driver configuration for said link driver from said capabilities of said driver; and
 - loading said link driver configuration into said link driver.
11. The method of claim 10 further comprising:
 - querying said link driver for said capabilities.
12. The method of claim 11 further comprising:
 - receiving said capabilities of said link driver from said link driver.
13. The method of claim 10 further comprising:
 - storing said capabilities of said link driver.
14. The method of claim 13 wherein said step of storing said capabilities comprises:
 - generating a node in a linked list for said link driver; and
 - storing said capabilities of said link driver in a data field of said node.

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15. The method of claim 10 further comprising:
receiving configuration information for said link driver.
 16. The method of claim 15 wherein said step of generating said link driver configuration comprises:
generating said link driver configuration from said capabilities and said configuration information.
 17. The method of claim 15 further comprising:
storing said configuration data.
 18. The method of claim 17 further comprising:
generating a node in a linked list for said link driver; and
storing said configuration information of said link driver in a data field of said node.
 19. The method of claim 10 further comprising:
receiving an input of user defined configuration data for said link driver.
 20. The method of claim 19 wherein said step of generating said link driver configuration comprises:
generating said link driver configuration from said capabilities and said user defined configuration data.
 21. A program storage device readable by a machine, tangibly embodying a program of instructions executable by the machine to provide a transaction layer for a module having at least one node connected to a serial bus that configures a link device for each of said at least one nodes that performs a method comprising:
detecting a link driver;
receiving capabilities of said link driver;
generating a link driver configuration for said link driver from said capabilities of said driver; and
loading said link driver configuration into said link driver.

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- 22. The program storage device of claim 21 wherein said method further comprises:
querying said link driver for said capabilities.
 - 23. The program storage device of claim 22 wherein said method further comprises:
receiving said capabilities of said link driver from said link driver.
 - 24. The program storage device of claim 21 wherein said method further comprises:
storing said capabilities of said link driver.
 - 25. The program storage device of claim 24 wherein said step of storing said capabilities comprises:
generating a node in a linked list for said link driver; and
storing said capabilities of said link driver in a data field of said node.
 - 26. The program storage device of claim 21 wherein said method further comprises:
receiving configuration information for said link driver.
 - 27. The program storage device of claim 26 wherein said step of generating said link driver configuration comprises:
generating said link driver configuration from said capabilities and said configuration information.
 - 28. The program storage device of claim 27 wherein said method further comprises:
storing said configuration data.
 - 29. The program storage device of claim 28 wherein said method further comprises:
generating a node in a linked list for said link driver; and
storing said configuration information of said link driver in a data field of said node.
 - 30. The program storage device of claim 21 wherein said method further comprises:
receiving an input of user defined configuration data for said link driver.

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31. The program storage device of claim 30 wherein said step of generating said link driver configuration comprises:

generating said link driver configuration from said capabilities and said user defined configuration data.